

# ABSTRACT

One disclosed embodiment comprises a vertical scaler receiving a first number of video lines at a first frequency. The vertical scaler outputs a second number of video lines at the first frequency. A FIFO has as an input from the vertical scaler the second number of video lines at the first frequency. The FIFO outputs the second number of video lines at a second frequency. Another disclosed embodiment further comprises a modulator/timing generator having as an input from the FIFO the second number of video lines at the second frequency. The second number of video lines can be in a first video format. The first video format can be a high resolution video format. The modulator/timing generator converts the second number of video lines in the first video format into a second video format. The second video format can be a low resolution video format.